

ORIO-2seq.txt
SEQUENCE LISTING

<110> Kureha Chemical Industry Company Limited

MUKAIDA, Naofumi

FUJII, Chifumi

<120> Polypeptide associated with hepatocellular carcinoma, polynucleotide encoding the polypeptide and RNA molecule suppressing the polypeptide expression

<130> 0701011wo1

<140> US10/567,681

<141> 2006-02-09

<150> PCTJP04/11669

<151> 2003-08-11

<160> 11

<170> PatentIn version 3.1

<210> 1

<211> 326

<212> PRT

<213> Homo sapiens

<400> 1

Met Leu Leu Ser Lys Phe Gly Ser Leu Ala His Leu Cys Gly Pro Gly
1 5 10 15

Gly Val Asp His Leu Pro Val Lys Ile Leu Gln Pro Ala Lys Ala Asp
20 25 30

Lys Glu Ser Phe Glu Lys Ala Tyr Gln Val Gly Ala Val Leu Gly Ser
35 40 45

Gly Gly Phe Gly Thr Val Tyr Ala Gly Ser Arg Ile Ala Asp Gly Leu
50 55 60

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Pro Val Ala Val Lys His Val Val Lys Glu Arg Val Thr Glu Trp Gly
65 70 75 80

Ser Leu Gly Gly Ala Thr Val Pro Leu Glu Val Val Leu Leu Arg Lys
85 90 95

Val Gly Ala Ala Gly Gly Ala Arg Gly Val Ile Arg Leu Leu Asp Trp
100 105 110

Phe Glu Arg Pro Asp Gly Phe Leu Leu Val Leu Glu Arg Pro Glu Pro
115 120 125

Ala Gln Asp Leu Phe Asp Phe Ile Thr Glu Arg Gly Ala Leu Asp Glu
130 135 140

Pro Leu Ala Arg Arg Phe Phe Ala Gln Val Leu Ala Ala Val Arg His
145 150 155 160

Cys His Ser Cys Gly Val Val His Arg Asp Ile Lys Asp Glu Asn Leu
165 170 175

Leu Val Asp Leu Arg Ser Gly Glu Leu Lys Leu Ile Asp Phe Gly Ser
180 185 190

Gly Ala Leu Leu Lys Asp Thr Val Tyr Thr Asp Phe Asp Gly Thr Arg
195 200 205

Val Tyr Ser Pro Pro Glu Trp Ile Arg Tyr His Arg Tyr His Gly Arg
210 215 220

Ser Ala Thr Val Trp Ser Leu Gly Val Leu Leu Tyr Asp Met Val Cys
225 230 235 240

Gly Asp Ile Pro Phe Glu Gln Asp Glu Glu Ile Leu Arg Gly Arg Leu
245 250 255

Leu Phe Arg Arg Arg Val Ser Pro Glu Cys Gln Gln Leu Ile Arg Trp
260 265 270

Cys Leu Ser Leu Arg Pro Ser Glu Arg Pro Ser Leu Asp Gln Ile Ala
275 280 285

Ala His Pro Trp Met Leu Gly Ala Asp Gly Gly Ala Pro Glu Ser Cys
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Asp Leu Arg Leu Cys Thr Leu Asp Pro Asp Asp Val Ala Ser Thr Thr
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Ser Ser Ser Glu Ser Leu
325

<210> 2

<211> 2392

<212> DNA

<213> Homo sapiens

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<210> 3

<211> 28

<212> DNA

<213> Artificial sequence

<220>

<223> chemically synthesized; Pim-3 sense primer

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<210> 4

<211> 25

<212> DNA

<213> Artificial sequence

<220>

ORIO-2seq.txt

<223> chemically synthesized; Pim-3 antisense primer

<400> 4
cagcgggaacc gctcattgcc aatgg 25

<210> 5

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> chemically synthesized;GAPDH sense prime

<400> 5
accacagtcc atgccatcac 20

<210> 6

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> chemically synthesized; GAPDH antisense primer

<400> 6
tccaccaccc tgggtgctgta 20

<210> 7

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> chemically synthesized; Probe used in first screening of hPim-3

<400> 7
ctgtgaagca cgtggtgaag 20

<210> 8

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<211> 19

<212> PRT

<213> Artificial sequence

<220>

<223> chemically synthesized; Epitop used in the production of antibody to hPim-3 polypeptide

<400> 8

Cys Gly Pro Gly Gly Val Asp His Leu Pro Val Lys Ile Leu Gln Pro
1 5 10 15

Ala Lys Ala

<210> 9

<211> 21

<212> DNA

<213> Artificial sequence

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<223> chemically synthesized; Targeted mRNA

<400> 9

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21

<210> 10

<211> 21

<212> RNA

<213> Artificial sequence

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<223> chemically synthesized; siRNA in example 9

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ccgcgcuccu ucaccacgug c

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<210> 11

<211> 19

<212> RNA

<213> Artificial sequence

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<223> chemically synthesized; Random RNA fragment

<400> 11

gcgcgcuuug uaggauucg

19